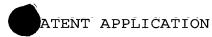
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DEVICE FOR INTERWORKING ASYNCHRONOUS TRANSFER MODE CELLS

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ABSTRACT OF THE DISCLOSURE

telecommunication environment includes interface card and a system communication controller. The interface card provides an asynchronous transfer mode interworking capability that is compatible with a serial communications controller within the system communication controller. A transmission convergence sublayer within the interface card identifies valid asynchronous transfer mode cells carried over a T1/E1 trunk link. The valid asynchronous transfer mode cells are transferred to an encapsulation unit within the interface card. encapsulation unit generates encapsulated frames protocol format understood by the serial communications controller. The encapsulated frames carry asynchronous transfer mode cells for processing by the A processor within the system communication controller. communication controller performs segmentation reassembly processes on payload extracted by the serial communications controller.